



# ONLINE WINE PRICE HARVESTING CHALLENGE

Presented by: Team 6

## The Task

Gather data regarding select wines from Sogrape, specifically Mateus Rose Original, Mateus Rose Sparkling, Papa Figos, and Trinca Bolota, by utilizing web scraping techniques. The target sources include El Corte Inglés, Continente, and Garrafeira Soares.

Store this data within a database for further analysis and reference.

Construct an informative dashboard presenting the collected information in visually appealing tables and graphs.

# Web scraping

## Python

Useful for complex application development;  
Can be extended to make system calls to almost all operating systems and to run code written in C or C++  
Run on nearly every system architecture  
Easy maintenance  
Easily find documentation, tutorials and online support to resolve problems and questions.



**Request**  
**BeautifulSoup**  
**Pandas**

	Store Name	Wine Name	Capacity	Price	Discount	Currency	Date of scraping	Location
0	Continente	Mateus Rosé Original	750	4.49	No	€	25/10/2023	Portugal
1	Garrafeira Soares	Mateus Rosé Original	750	3.59	No	€	25/10/2023	Portugal
2	Supermercado El Corte Inglés	Mateus Rosé Original	750	4.49	No	€	25/10/2023	Portugal
3	Continente	Mateus Sparkling Brut Rosé	750	6.99	No	€	25/10/2023	Portugal
4	Garrafeira Soares	Mateus Sparkling Brut Rosé	750	6.69	No	€	25/10/2023	Portugal
5	Supermercado El Corte Inglés	Mateus Sparkling Brut Rosé	750	6.99	No	€	25/10/2023	Portugal
6	Continente	Trinca Bolotas Tinto	750	6.99	No	€	25/10/2023	Portugal
7	Garrafeira Soares	Trinca Bolotas Tinto	750	6.19	No	€	25/10/2023	Portugal
8	Supermercado El Corte Inglés	Trinca Bolotas Tinto	750	6.99	No	€	25/10/2023	Portugal
9	Continente	Papa Figos Branco	750	7.99	No	€	25/10/2023	Portugal
10	Garrafeira Soares	Papa Figos Branco	750	7.29	No	€	25/10/2023	Portugal
11	Supermercado El Corte Inglés	Papa Figos Branco	750	7.99	No	€	25/10/2023	Portugal
12	Continente	Lancers Vinho Rosé	750	3.99	No	€	25/10/2023	Portugal
13	Garrafeira Soares	Lancers Vinho Rosé	750	3.15	No	€	25/10/2023	Portugal
14	Supermercado El Corte Inglés	Lancers Vinho Rosé	750	3.99	No	€	25/10/2023	Portugal
15	Continente	Defesa do Esporão Tinto	750	4.99	No	€	25/10/2023	Portugal
16	Garrafeira Soares	Defesa do Esporão Tinto	750	6.49	No	€	25/10/2023	Portugal
17	Supermercado El Corte Inglés	Defesa do Esporão Tinto	750	7.99	No	€	25/10/2023	Portugal

# DASHBOARD

**Interactivity:** JavaScript allows for creating dynamic and interactive graphs that respond to user actions, making the experience more engaging.

**Flexibility:** CSS provides a high degree of customization in the appearance and layout of the dashboard.



## Compatibility

HTML, JavaScript, and CSS are supported in most browsers



# To Improve

Connection to database

Responsive Site

Add more information

Error management



**Thank you Sogrape and 42Porto**